

Recombinant Human GNL3L Protein (1-582 aa), His-SUMO-tagged

Cat. No. GNL3L-1121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNL3L Protein (1-582 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-582 aa
Description	Stabilizes TERF1 telomeric association by preventing TERF1 recruitment by PML. Stabilizes TERF1 protein by preventing its ubiquitination and hence proteasomal degradation. Does so by interfering with TERF1-binding to FBXO4 E3 ubiquitin-protein ligase. Required for cell proliferation. By stabilizing TRF1 protein during mitosis, promotes metaphase-to-anaphase transition. Stabilizes MDM2 protein by preventing its ubiquitination, and hence proteasomal degradation. By acting on MDM2, may affect TP53 activity. Required for normal processing of ribosomal pre-rRNA. Binds GTP.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	81.6 kDa
AA Sequence	MMKLRHKNKKPGEGSKGHKKISWPYPQPAKQNGKKATSKVPSAPHFVHPNDHANR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EAELKKKWVEEMREKQQAAREQERQKRRTIESYCQDVLRRQEEFEHKEEVLQELN
MFPQLDDEATRKAYYKEFRKVVEYSDVILEVLDARDPLGCRCFQMEEAVLRAQGNK
KLVLVLNKIDLVPKEVVEKWLDYLRNELPTVAFKASTQHVKNLNRCSVPVDQASES
LLKSKACFGAENLMRVLGNYCRLGEVTRHIRVGVVGLPNVGKSSLINSLKRSRACSV
GAVPGITKFMQEVYLDKFIRLLDAPGIVPGPNSEVGTILRNCVHVQKLADPVTPTVETIL
QRCNLEEISNYYGVSGFQTTEHFLTAVAHRLGKKKKGGGLYSQEQAQAVLADWVSG
KISFYIPPPATHTLPTHLSAEIVKEMTEVFDIEDTEQANEDTMECLATGESDELLGDTD
PLEMEIKLLHSPMTKIADAIENKTTVYKIGDLTGYCTNPNRHQMGWAKRNVDRPKS
NSMVDVCSVDRRSVLQRIMETDPLQQGQALASALKNKKKMQRADKIASKLSDSM
MSALDLSGNADDGVGD

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name GNL3L guanine nucleotide binding protein-like 3 (nucleolar)-like [Homo sapiens]

Official Symbol GNL3L

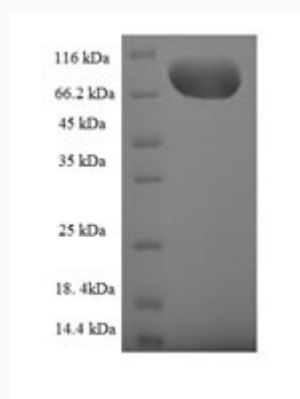
Synonyms GNL3L; FLJ10613; novel GTPase; RP11-353K22.1;

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Gene ID	54552
mRNA Refseq	NM_001184819
Protein Refseq	NP_001171748
UniProt ID	Q9NVN8



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.